#### FORM D

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SEC Mail Mail Processing Section

SEP 18 ZUUB

Weshington, DC 103

# FORM D NOTICE OF SALE OF SECURITIES PURSUANT TO REGULATION D SECTION 4(6), AND/OR UNIFORM LIMITED OFFERING EXEMPTION

139 4058			
OMB APPROVAL			
OMB Number:	3235-0076		
Expires:	April 30, 2008		
Estimated average burden			
hours per response	16.00		

SEC USE ONLY				
Prefix Serial				
	<u> </u>			
DATE RECEIVED				

Name of Offering (	ite change.)		
Filing under (Check box(es) that apply): ☐ Rule 504 ☐ Rule 505 ☒ Rule 506  Type of Filing: ☒ New Filing ☐ Amendment	Section 4(6) ULOE PROCESSED		
A. BASIC IDENTIFICATION DATA	0.0000		
Enter the information requested about the issuer	SEP 2 2 2008		
Name of Issuer ( check if this is an amendment and name has changed, and indicate Advanced Electon Beams, Inc.	change.) THOMSON REUTER		
Address of Executive Offices (Number and Street, City, State, Zip Code) 301 Ballardvale Street, Wilmington, MA 01887	Telephone Number (Including Area Code) (978) 658-8600		
Address of Principal Business Operations (Number and Street, City, State, Zip Code) (if different from Executive Offices)	Telephone Number (Including Area Code)		
Brief Description of Business electron beam technology developer, manufacturer and marketer			
Type of Business Organization			
	other (ples 08060804		
☐ business trust ☐ limited partnership, to be formed			
Actual or Estimated Date of Incorporation or Organization:    MONTH YEAR			

### General Instructions

#### Federal:

Who Must File: All issuers making an offering of securities in reliance on an exemption under Regulation D or Section 4(6), 17 CFR 230.501 et seg. or 15 U.S.C. 77d(6).

When To File: A notice must be filed no later than 15 days after the first sale of securities in the offering. A notice is deemed filed with the U.S. Securities and Exchange Commission (SEC) on the earlier of the date it is received by the SEC at the address given below or, if received at that address after the date on which it is due, on the date it was mailed by United States registered or certified mail to that address.

Where to File: U.S. Securities and Exchange Commission, 450 Fifth Street, N.W., Washington, D.C. 20549.

Copies Required: Five (5) copies of this notice must be filed with the SEC, one of which must be manually signed. Any copies not manually signed must be photocopies of the manually signed copy or bear typed or printed signatures.

Information Required: A new filing must contain all information requested. Amendments need only report the name of the issuer and offering, any changes thereto, the information requested in Part C, and any material changes from the information previously supplied in Parts A and B. Part E and the Appendix need not be filed with the SEC.

Filing Fee: There is no federal filing fee.

#### State:

This notice shall be used to indicate reliance on the Uniform Limited Offering Exemption (ULOE) for sales of securities in those states that have adopted ULOE and that have adopted this form. Issuers relying on the ULOE must file a separate notice with the Securities Administrator in each state where sales are to be, or have been made. If a state requires the payment of a fee as a precondition to the claim for the exemption, a fee in the proper amount shall accompany this form. This notice shall be filed in the appropriate states in accordance with state law. The Appendix to the notice constitutes a part of this notice and must be completed.

#### **ATTENTION**

Failure to file notice in the appropriate states will not result in a loss of the federal exemption. Conversely failure to file the appropriate federal notice will not result in a loss of an available state exemption unless such exemption is predicated on the filing of a federal notice.

Enter the information recommendation			ganized within the past	five years: Each t	paneficial owner having the
	<ul> <li>Each promoter of the issuer, if the issuer has been organized within the past five years; Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer;</li> </ul>				
issuers; and	The state of the s				
	·	artnership of partnershi	<u> </u>		
Check Box(es) that Apply:	☐ Promoter			☑ Director	☐ General and/or Managing Partner
Full Name (Last name first, if inc Tyson, Mitchell G.					
Business or Residence Address 301 Ballardvale Street, Wils		and Street, City, State, Zi 1887	p Code)		
Check Box(es) that Apply:	Promoter	Beneficial Owner	☐ Executive Officer	Director	General and/or Managing Partner
Full Name (Last name first, if inc Avnery, Tovi	fividual)				
Business or Residence Address 301 Ballardvale Street, Will		and Street, City, State, Zi 1887	p Code)		
Check Box(es) that Apply:	Promoter	☐ Beneficial Owner	Executive Officer	Director	General and/or Managing Partner
Full Name (Last name first, if inc Mihalchik, Larry	dividual)				
Business or Residence Address 301 Ballardvale Street, Wil	<b>(*******</b>	and Street, City, State, Zi 1887	p Code)		
Check Box(es) that Apply:	Promoter	☐ Beneficial Owner		Director	General and/or Managing Partner
Full Name (Last name first, if incline)	lividual)				
Business or Residence Address 301 Ballardvale Street, Wil		and Street, City, State, Zi 1887	p Code)		
Check Box(es) that Apply:	Promoter	☐ Beneficial Owner	☐ Executive Officer	□ Director	☐ General and/or Managing Partner
Full Name (Last name first, if inc	lividual)				
Business or Residence Address 301 Ballardvale Street, Will		and Street, City, State, Zi 1887	p Code)		•
Check Box(es) that Apply:	Promoter	Beneficial Owner	☐ Executive Officer	Director	General and/or Managing Partner
Full Name (Last name first, if individual)  Bohn, Larry					
Business or Residence Address (Number and Street, City, State, Zip Code) 301 Ballardvale Street, Wilmington, MA 01887					
Check Box(es) that Apply:	Promoter	☐ Beneficial Owner	☐ Executive Officer	□ Director	☐ General and/or Managing Partner
Full Name (Last name first, if inc Fagnan, Jeff	fividual)				
Business or Residence Address (Number and Street, City, State, Zip Code) 301 Ballardvale Street, Wilmington, MA 01887					
Check Box(es) that Apply:	☐ Promoter	Beneficial Owner	☐ Executive Officer	Director	☐ General and/or Managing Partner
Full Name (Last name first, if individual) Atlas Venture Fund VI, L.P.					
Business or Residence Address 890 Winter Street, Suite 32		and Street, City, State, Zi A 02451	ip Code)		

A. BASIC IDENTIFICATION DATA

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•					
Check Box(es) that Apply:	Promoter	☑ Beneficial Owner	Executive Officer	Director	General and/or Managing Partner
Full Name (Last name first, if ind General Catalyst Group III,					
Business or Residence Address 200 University Road, Suite		and Street, City, State, Zi je, MA 02138	p Code)		
Check Box(es) that Apply:	Promoter	■ Beneficial Owner	☐ Executive Officer	Director	General and/or Managing Partner
Full Name (Last name first, if ind RockPort Capital Partners I					
Business or Residence Address 160 Federal Street, 18 <sup>th</sup> Floo	(Number or, Boston, M <i>F</i>	and Street, City, State, Zi A 02110	p Code)		
Check Box(es) that Apply:	☐ Promoter	Beneficial Owner	☐ Executive Officer	□ Director	General and/or Managing Partner
Full Name (Last name first, if ind McDermott, Charles	ividual)	• • •			
Business or Residence Address 301 Ballardvale Street, Wiln		and Street, City, State, Zi 1887	p Code)		
Check Box(es) that Apply:	☐ Promoter	☑ Beneficial Owner	☐ Executive Officer	Director	General and/or Managing Partner
Full Name (Last name first, if ind GPSF Securities Inc.	ividual)				
Business or Residence Address (Number and Street, City, State, Zip Code)  120 Long Ridge Road, Stamford, CT 06902					
Check Box(es) that Apply:	Promoter	☑ Beneficial Owner	☐ Executive Officer	Director	General and/or Managing Partner
Full Name (Last name first, if individual) Agman Investments LLC					
Business or Residence Address (Number and Street, City, State, Zip Code) 611 South Wells Street, Suite 2004, Chicago, IL 60607					
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	B. INFORMATION ABOUT OFFERING				
1.	Has the issuer sold, or does the issuer intend to sell, to non-accredited investors in this offering?	Yes	No		
	Answer also in Appendix, Column 2, if filing under ULOE.				
2.	What is the minimum investment that will be accepted from any individual?	\$ no r	ninimum		
		Yes	No		
3.	Does the offering permit joint ownership of a single unit?	$\boxtimes$			
4.	Enter the information requested for each person who has been or will be paid or given, directly or indirectly, any commission or similar remuneration for solicitation of purchases in connection with sales of securities in the offering. If a person to be listed is an associated person or agent of a broker or dealer registered with the SEC and/or with a state or states, list the name of the broker or dealer. If more than five (5) persons to be listed are associated persons of such a broker or dealer, you may set forth the information for that broker or dealer only.				
Full N/A	Name (Last name first, if individual)				
Bus	siness or Residence Address (Number and Street, City, State, Zip Code)	<u> </u>			
Nai	me of Associated Broker or Dealer				
	tes in Which Person Listed Has Solicited or Intends to Solicit Purchasers				
(Ch	leck "All States" or check individual States)	☐ All St	(ID)		
[IL]		s) 🔲	[MO] 🔲		
[MT] [RI]	[NÉ]   [NÝ]   [NH]   [NJ]   [NM]   [NY]   [NC]   [ND]   [OH]   [OK]   [OH]   [OH]   [OK]   [OH]		[PA] [] [PR] []		
	I Name (Last name first, if individual)				
Bus	siness or Residence Address (Number and Street, City, State, Zip Code)				
Nar	me of Associated Broker or Dealer				
	tes in Which Person Listed Has Solicited or Intends to Solicit Purchasers				
	leck "All States" or check individual States)	⊒ All St II □	tates		
[AL]	M [ (KS) [ (KS) [ (KY) [ (ME) [ (ME) [ (MD) [ (MA)	s] 🗌	[MO]		
[MT] [RI]	NE)   (NY)   (NH)   (NH)   (NM)   (NY)   (NC)   (ND)   (OH)   (OK)   (		[PA] 🗌 [PR] 🗎		
Full Name (Last name first, if individual)					
Business or Residence Address (Number and Street, City, State, Zip Code)					
Name of Associated Broker or Dealer					
	tes in Which Person Listed Has Solicited or Intends to Solicit Purchasers				
(Ch		☐ All SI	ates		
[IL]	$\square$ [IN] $\square$ [IA] $\square$ [KS] $\square$ (KY] $\square$ (LA) $\square$ [ME] $\square$ [MD] $\square$ [MA) $\square$ [MI) $\square$ [MN] $\square$ [M	s) 🗆	[MÖ] 🔲		
[M1] [RI]	O C (NA) C (NA) C (OA)	R]	[PA]		
iRii		M 🗀	(PR)		

(Use blank sheet, or copy and use additional copies of this sheet, as necessary.)

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1.	Enter the aggregate offering price of securities included in this offering and the total amount already sold. Enter "0" if answer is "none" or "zero." If the transaction is an exchange offering, check this box $\Box$ and indicate in the columns below the amounts of the securities offered for exchange and already exchanged.		
	Type of Security	Aggregate Offering Price	Amount Already Sold
	Debt	\$ <u>0</u>	\$ <u>0</u>
	Equity	\$5,999,999.10	\$ <u>5,999,999.10</u>
	☐ Common ☑ Preferred		
	Convertible Securities (including warrants)	\$ <u>0</u>	\$ <u>0</u>
	Partnership Interests	\$ <u>0</u>	\$ <u>0</u>
	Other (Specify)	\$ <u>0</u>	\$ <u>0</u>
	Total	\$ <u>5,999,999,10</u>	\$ <u>5,999,999.10</u>
	Answer also in Appendix, Column 3, if filing under ULOE.		
2.	Enter the number of accredited and non-accredited investors who have purchased securities in this offering and the aggregate dollar amounts of their purchases. For offerings under Rule 504, indicate the number of persons who have purchased securities and the aggregate dollar amount of their purchases on the total lines. Enter "0" if answer is "none" or "zero."	Number of Investors	Aggregate Dollar Amount of Purchases
	Accredited Investors	<u>2</u>	\$ <u>5,999,999,10</u>
	Non-accredited Investors	<u>0</u>	\$ <u>0</u>
	Total (for filing under Rule 504 only)		\$
	Answer also in Appendix, Column 4, if filing under ULOE.		
3.	If this filing is for an offering under Rule 504 or 505, enter the information requested for all securities sold by the issuer, to date, in offerings of the types indicated, in the twelve (12) months prior to the first sale of securities in this offering. Classify securities by type listed in Part C - Question 1.		
	Type of offering Rule 505	Type of Security	Dollar Amount Sold \$
	Regulation A		\$
	Rule 504.		\$
	Total		\$
4.	a. Furnish a statement of all expenses in connection with the issuance and distribution of the securities in this offering. Exclude amounts relating solely to organization expenses of the issuer. The information may be given as subject to future contingencies. If the amount of an expenditure is not known, furnish an estimate and check the box to the left of the estimate.		·
	Transfer Agent's Fees.		] \$ <u>0</u>
	Printing and Engraving Costs		] \$ <u>0</u>
	Legal Fees.		
	Accounting Fees.		] \$ <u>0</u>
	Engineering Fees.		] \$ <u>0</u>
	Sales Commissions (specify finders' fees separately)		
	Other Expenses (identify):		
	Total		
	<ul> <li>Enter the difference between the aggregate offering price given in response to Part C- Question 1 and total expenses furnished in response to Part C - Question 4.a. This</li> </ul>		

C. OFFERING PRICE, NUMBER OF INVESTORS, EXPENSES AND USE OF PROCEEDS

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\$<u>5,969,999.10</u>

difference is the "adjusted gross proceeds to the issuer.".....

5. Indicate below the amount of the adjusted gross proceeds to the issuer used or proposed to be used for each of the purposes shown. If the amount for any purpose is not known, furnish an estimate and check the box to the left of the estimate. The total of the payments listed must equal the adjusted gross proceeds to the issuer set forth in response to Part C- Question 4.b. above.  Payments Officers, Directors, Affiliates  Salaries and fees	s, , & Payments To
Payments Officers, Directors, Affiliates  Salaries and fees	5, & Payments To s Others  □ \$0 □ \$0 □ \$0 □ \$0 □ \$0
Purchase of real estate	□ \$ <u>0</u> □ \$ <u>0</u>
Purchase, rental or leasing and installation of machinery and equipment \$0  Construction or leasing of plant buildings and facilities	□ \$ <u>0</u>
Construction or leasing of plant buildings and facilities	□ \$ <u>0</u>
Acquisition of other business (including the value of securities involved in this offering that may be used in exchange for the assets or securities of another issuer pursuant to a merger) \$\text{Q}\$  Repayment of indebtedness \$\text{Q}\$  Working capital \$\text{Q}\$  Other (specify): \$\text{Q}\$  Column Totals \$\text{Q}\$  Total Payments Listed (column totals added) \$\text{S}\$  D. FEDERAL SIGNATURE	_
to a merger) \$\square\$ \$\s	□ \$ <u>0</u>
Working capital \$0  Other (specify): \$0  Column Totals \$0  Total Payments Listed (column totals added) \$5.	
Other (specify): \$\textstyle \textstyle \tex	□ \$ <u>0</u>
Column Totals	<b>⊠</b> \$ <u>5,969,999.1</u>
Total Payments Listed (column totals added)  D. FEDERAL SIGNATURE	□ \$ <u>0</u>
D. FEDERAL SIGNATURE	<b>⊠</b> \$ <u>5,969,999.1</u>
	5,969,999 <u>.10</u>
The issuer has duly caused this notice to be signed by the undersigned duly authorized person. If this notice is file	
following signature constitutes an undertaking by the issuer to furnish to the U.S. Securities and Exchange Commirrequest of its staff, the information furnished by the issuer to any non-accredited investor pursuant to paragraph (b	nission, upon written
Issuer (Print or Type) Signature Date	
Advanced Electron Beams, Inc.  September 10,	, 2008
Name of Signer (Print or Type) Title of Signer (Print or Type)	
Larry Mihalchik Chief Financial Officer	

		See Appendix, Column 5, for state response	onse.
2.	The undersigned issuer hereby undertakes to furnish to any state administrator of any state in which this notice is filed, a notice on Form D (17 CFR 239.500) at such times as required by state law		
3.	The undersigned issuer hereby undertakes to furnish to the state administrators, upon written request, information furnished by the issuer to offerees.		
4.	The undersigned issuer represents that the issuer is familiar with the conditions that must be satisfied to be entitled to the Uniform Limited Offering Exemption (ULOE) of the state in which this notice is filed and understands that the issuer claiming the availability of this exemption has the burden of establishing that these conditions have been satisfied.		
5.	The issuer has read this notification and knows the contents to be true and has duly caused this notice to be signed on its behalf by the undersigned duly authorized person.		
Issuer (	Print or Type)	Signature	Date
Advanced Electron Beams, Inc.		2/m I all	September 10 , 2008
Name (Print or Type)		Title (Print or Type)	
Larry Mihalchik Chief Financial Officer		Chief Financial Officer	

E. STATE SIGNATURE

Yes

No ⊠

Is any party described in 17 CFR 230.262 presently subject to any disqualification provisions of such rule?

#### Instruction:

1.

Print the name and title of the signing representative under his signature for the state portion of this form. One copy of every notice on Form D must be manually signed. Any copies not manually signed must be photocopies of the manually signed copy or bear typed or printed signatures.

 $\mathbb{END}$